

chain nodes :

7 8 9 10 11 15 16 18 19 20 21 22 23 24 25 29 30 31 32 33 34

ring nodes :

1 2 3 4 5 6

chain bonds :

5-7 7-8 8-9 9-10 10-11 15-16 15-18 15-19 16-20 16-21 20-32 21-22 21-29 22-23
23-24 23-25 29-30 29-31 32-33 32-34

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

10-11 15-18 15-19 23-24 23-25 29-30 29-31 32-33 32-34

exact bonds :

5-7 7-8 8-9 9-10 15-16 16-20 16-21 20-32 21-22 21-29 22-23

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:O,S

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 15:CLASS 16:CLASS 18:CLASS 19:CLASS 20:CLASS 21:CLASS 22:CLASS 23:CLASS
24:CLASS 25:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS

* * * * * Welcome to STN International * * * * *

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<u>NEWS 2</u>		"Ask CAS" for self-help around the clock
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<u>NEWS 4</u>	DEC 08	INPADOC: Legal Status data reloaded
<u>NEWS 5</u>	SEP 29	DISSABS now available on STN
<u>NEWS 6</u>	OCT 10	PCTFULL: Two new display fields added
<u>NEWS 7</u>	OCT 21	BIOSIS file reloaded and enhanced
<u>NEWS 8</u>	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
<u>NEWS 9</u>	NOV 24	MSDS-CCOHS file reloaded
<u>NEWS 10</u>	DEC 08	CABA reloaded with left truncation
<u>NEWS 11</u>	DEC 08	IMS file names changed
<u>NEWS 12</u>	DEC 09	Experimental property data collected by CAS now available in REGISTRY
<u>NEWS 13</u>	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPLUS
<u>NEWS 14</u>	DEC 17	DGENE: Two new display fields added
<u>NEWS 15</u>	DEC 18	BIOTECHNO no longer updated
<u>NEWS 16</u>	DEC 19	CROPU no longer updated; subscriber discount no longer available
<u>NEWS 17</u>	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
<u>NEWS 18</u>	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
<u>NEWS 19</u>	DEC 22	ABI-INFORM now available on STN
<u>NEWS 20</u>	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
<u>NEWS 21</u>	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
<u>NEWS 22</u>	FEB 05	German (DE) application and patent publication number format changes
<u>NEWS 23</u>	MAR 03	MEDLINE and LMEDLINE reloaded
<u>NEWS 24</u>	MAR 03	MEDLINE file segment of TOXCENTER reloaded
<u>NEWS 25</u>	MAR 03	FRANCEPAT now available on STN
<u>NEWS 26</u>	MAR 29	Pharmaceutical Substances (PS) now available on STN
<u>NEWS 27</u>	MAR 29	WPIFV now available on STN
<u>NEWS 28</u>	MAR 29	No connect hour charges in WPIFV until May 1, 2004
<u>NEWS 29</u>	MAR 29	New monthly current-awareness alert (SDI) frequency in RAPRA
<u>NEWS EXPRESS</u>	MARCH 31	CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 15:20:35 ON 01 APR 2004

```
=> file reg
COST IN U.S. DOLLARS                SINCE FILE      TOTAL
                                     ENTRY      SESSION
FULL ESTIMATED COST                0.21          0.21
```

FILE 'REGISTRY' ENTERED AT 15:20:42 ON 01 APR 2004
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 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
 provided by InfoChem.

STRUCTURE FILE UPDATES: 31 MAR 2004 HIGHEST RN 669692-30-2
 DICTIONARY FILE UPDATES: 31 MAR 2004 HIGHEST RN 669692-30-2

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

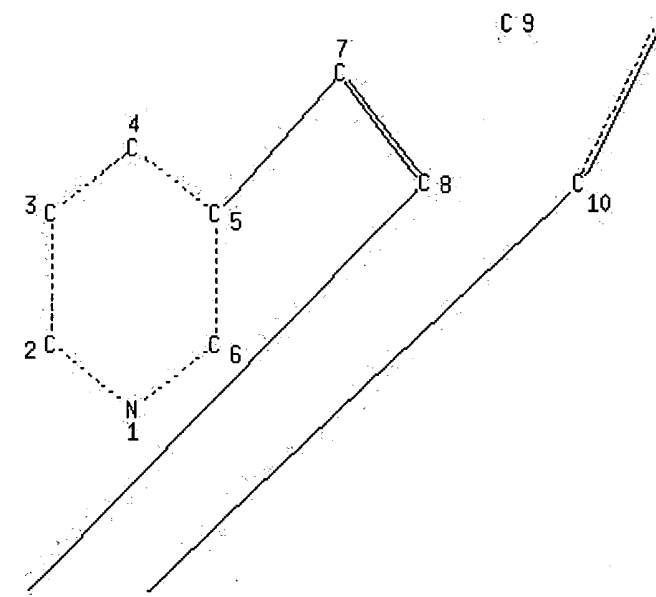
Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

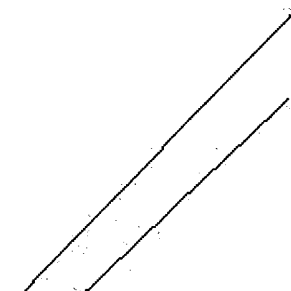
Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

```
=>
L1      STRUCTURE UPLOADED
```

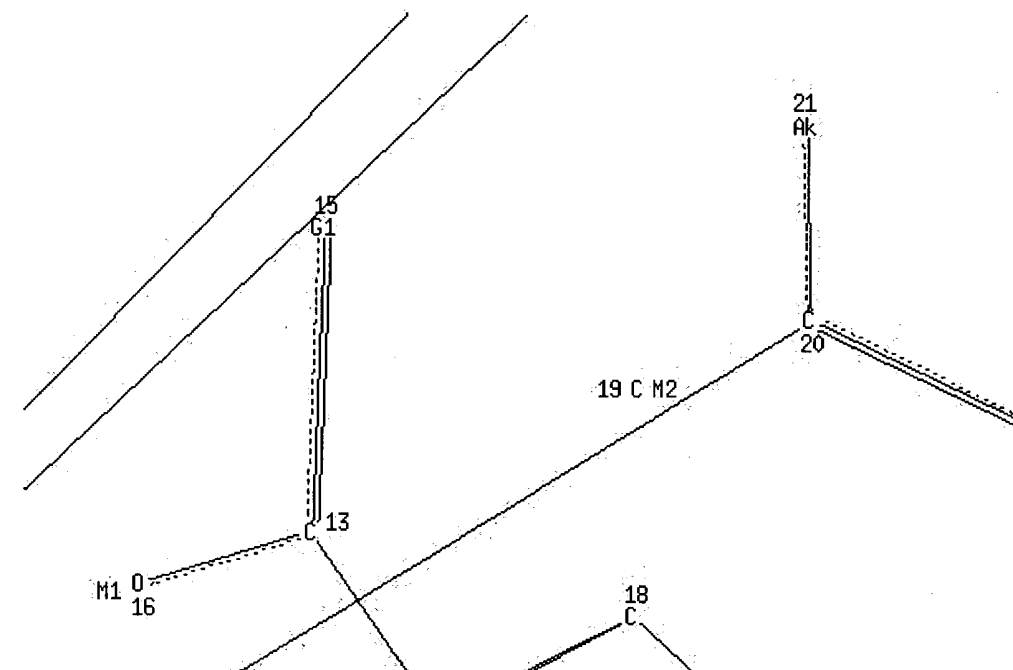
```
=> d 11
L1 HAS NO ANSWERS
L1      STR
0 31 S 32
Page 1-A
```



11
N
Page 1-C

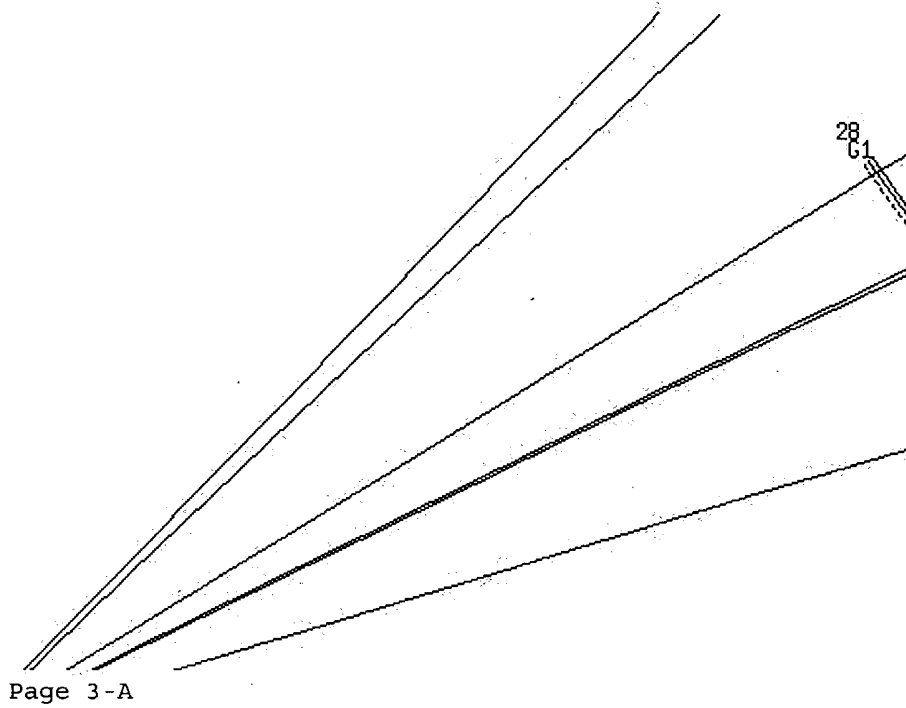


Page 2-A

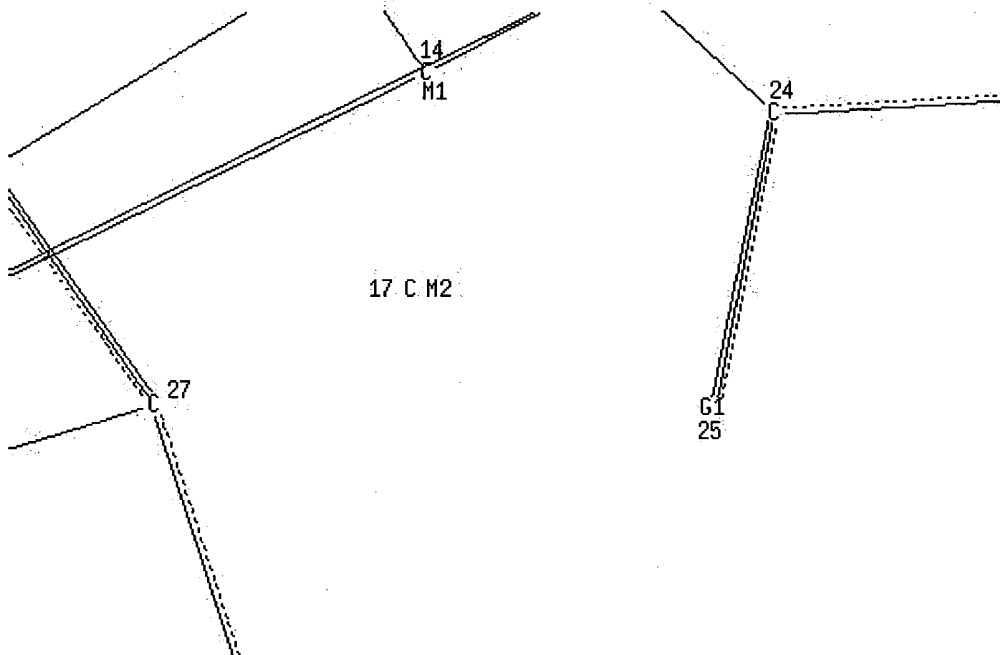


Page 2-B

11 G1 22
Page 2-C



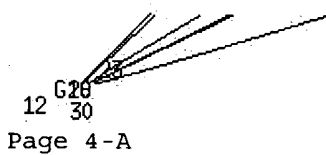
Page 3-A



Page 3-B

17 C M1
26

Page 3-C



Page 4-A

17 C
29

Page 4-B

VAR G1=31/32

REP G18=(1-2) 17-14 17-27

REP G19=(1-2) 19-18 19-20

REP G20=(1-2) 9-8 9-10

NODE ATTRIBUTES:

HCOUNT	IS M1	AT	14
HCOUNT	IS M1	AT	16
HCOUNT	IS M2	AT	17
HCOUNT	IS M2	AT	19
HCOUNT	IS M1	AT	26
NSPEC	IS R	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
NSPEC	IS R	AT	6
NSPEC	IS C	AT	7
NSPEC	IS C	AT	8
NSPEC	IS C	AT	9
NSPEC	IS C	AT	10
NSPEC	IS C	AT	11
NSPEC	IS C	AT	12
NSPEC	IS C	AT	13
NSPEC	IS C	AT	14
NSPEC	IS C	AT	15
NSPEC	IS C	AT	16
NSPEC	IS C	AT	17
NSPEC	IS C	AT	18
NSPEC	IS C	AT	19
NSPEC	IS C	AT	20
NSPEC	IS C	AT	21
NSPEC	IS C	AT	22
NSPEC	IS C	AT	23
NSPEC	IS C	AT	24
NSPEC	IS C	AT	25
NSPEC	IS C	AT	26
NSPEC	IS C	AT	27
NSPEC	IS C	AT	28
NSPEC	IS C	AT	29
NSPEC	IS C	AT	30

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 7 8 9 10 11 13 14 16 17 18 19 20 21 24 26 27 29
31 32

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 32

STEREO ATTRIBUTES: NONE

=> s 11

SAMPLE SEARCH INITIATED 15:26:22 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 15:26:27 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 10 TO ITERATE

100.0% PROCESSED 10 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=>